

REMARKS

In the Office Action, the drawings are objected to under 37 CFR 1.83(a), Claim 24 is rejected under 35 U.S.C. § 112, first and second paragraphs, Claim 21 is rejected under 35 U.S.C. § 112, second paragraph, Claims 13, 14, 23 and 24 are rejected under 35 U.S.C. § 102, Claims 15-20 and 22 are objected to as being dependent upon a rejected base claim and Claim 24 is rejected under 35 U.S.C. § 103. In response, Claims 1-24 have been canceled without prejudice or disclaimer and claims 25-32 have been added. No new matter has been introduced by way of any of the amendments or additions. Applicants respectfully submit that the rejections and objections should be withdrawn at least for the reasons set forth below.

In the Office Action, the drawings are objected to under 37 CFR 1.83(a). The Office Action states that the functional/operational flow chart(s) of the method as claimed must be shown. New Figure 3 has been added to address this objection. The schematic representation of Figure 3 is fully supported by the specification as originally filed, and no new matter has been introduced by way of Figure 3.

Accordingly, Applicants respectfully request that the objection of the drawings under 37 CFR 1.83(a) be withdrawn.

In the Office Action, Claim 21 has been rejected under 35 U.S.C. § 112, second paragraph. At the outset, claim 21 has been canceled without prejudice or disclaimer as previously discussed, and thus, this rejection with respect to same has been rendered moot. Further, Applicants have provided new claim 32 in place of claim 21 and respectfully submit that claim 32 is clear in meaning and scope contrary to what the Patent Office may allege.

More specifically, Applicants respectfully disagree with the Office Action's statement that the claim language "can be turned off" is indefinite language to indicate whether the "receiver" is necessary to be turned off over coherent periods of time which are as long as possible. In general, the test for definiteness under 35 U.S.C. § 112, second paragraph, is whether one skilled in the art would understand what is claimed when the claim is read in light of the specification. An advantage of the claimed invention is to save communication hardware resources and energy. If shortened spreading codes are used which are contiguous segments of the spreading codes used in a transmitter, less energy is needed to transmit and receive this information. By using shortened spreading codes according to the claimed invention, systems

can save hardware resources and energy by either using more energy-saving processors or allowing the hardware units to be intermittently turned off. See, specification, pg. 5, lines 17-39. Indeed, claim 32 recites, in part, shortened spreading codes are selected for two successive symbols of a message to be detected such that the individual facilities of the receiver can be turned off over coherent periods of time which are as long as possible. Thus, as read in light of the specification, Claim 32 is sufficiently definite so that one skilled in the art should understand what is claimed by Claim 32.

Accordingly, Applicants respectfully request that this rejection be withdrawn.

In the Office Action, Claims 13 and 14 are being rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,748,687 ("*Ozluturk*"); Claims 13 and 23 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,226,315 ("*Sriram*"); and claim 24 is rejected under 35 U.S.C. § 112, first and second paragraphs and is rejected under 35 U.S.C. § 102(e) as being anticipated by *Sriram* or rejected under 35 U.S.C. § 103 as being unpatentable over *Sriram*. In response, previously presented Claims 1-24 have been canceled without prejudice or disclaimer. Thus, these rejections should be rendered moot and further withdrawn in view of same.

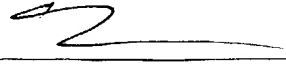
In the Office Action, Claims 15-20 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. In response, new claims 25-31 and 33-35 have been added, and effectively represent the subject matter as defined in claims 15-20 and 22 in allowable form as suggested by the Patent Office, wherein claims 29, 33 and 35 represent the subject matter as defined in claim 14 added as dependent upon claims 25, 30 and 34, respectively. Further, claim 32 effectively represents the subject matter as defined in claim 21 and should be rendered allowable as well as previously discussed.

For the foregoing reasons, Applicants respectfully submit that the present application is in condition for allowance and earnestly solicit reconsideration of the same.

Respectfully submitted,

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